



SILICONE

Silicone is classed as chemically stable and non-toxic to humans. It is also highly resistant to the effects of microorganisms like bacteria and viruses.

Silicone is considered safe for a range of human-use purposes, including medical, sports and storage applications.



Silicone is a highly functional resin that combines many excellent characteristics and has superior long-term reliability. It has superior weather resistance and durability. Silicone is so durable and able to withstand extreme temperatures. It won't melt, contort, or contaminate its contents in sub-zero temperatures and withstands temperatures up to around 200°C in the oven.

EFS300C

Weight	Tensile Strength	Tear Strength	Elongation	Adhesion	Cold Resistance	Heat Resistance
gsm (oz)	lbs/inch (N/5cm)	lbs (N)	%	lbs/inch (N/5cm)	°F (°C)	°F (°C)
300 (8.8)	314/290 (2750/2540)	80/90 (356/400)	22/27	Unmeasurable	-58 (-50)	392 (200)

EFS320C

Weight	Tensile Strength	Tear Strength	Elongation	Adhesion	Cold Resistance	Heat Resistance
gsm (oz)	lbs/inch (N/5cm)	lbs (N)	%	lbs/inch (N/5cm)	°F (°C)	°F (°C)
340 (10)	400/320 (3503/2802)	96/94 (427/418)	20/27	Unmeasurable	-58 (-50)	392 (200)

EFS380C

Weight	Tensile Strength	Tear Strength	Elongation	Adhesion	Cold Resistance	Heat Resistance
gsm (oz)	lbs/inch (N/5cm)	lbs (N)	%	lbs/inch (N/5cm)	°F (°C)	°F (°C)
380 (11)	520/450 (4554/3941)	250/230 (1112/1023)	28/30	Unmeasurable	-58 (-50)	392 (200)



Thermal endurance test of plastic PVC and Silicone

Test method : exposing samples to 200°C heat in a drying oven for 20 minutes

PVC		Silicone	
Before	After	Before	After
			

Features

- Environmentally friendly material
- Exceptional resistance to heat and cold stress
- Outstanding resistance to chemical and weather
- Excellent flexibility

Applications

- Asphalt resistant truck cover
- Containment tarps
- Marine covers
- Boat covers

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WONPOONG

Wonpoong Bldg, 343 Gonghangdaero, Gangseogu, Seoul, Korea

TEL : +82. 2. 3661. 8112

FAX : +82. 2. 3661. 8111

E-mail : info@wonpoong.co.kr

www.wonpoong.co.kr